SPECIFICATION ITEM	MODEL UNIT	BF175/200/225	BF135/150	BF115/130AX	BF 75-90A1	BF 35- 45 / 40-50A4
BORE AND STROKE	MM	89 x 93	87 x 99	86 x 97	75 X 90	70 x 70
CAPACITY	CC	3471	2354	2254	1,590	808
ENGINE OIL CAPACITY -AT DRAINING	LITRE	7.6	6.5	5.6	4	2.0
AT OIL FILTER CHANGE	LITRE	7.8	6.7	6.5	4.5	2.2
OIL FILTER PART NUMBER	PART NUMBER	15400-PR3-004	15400-PLC-003	15400-PR3-004	H1540PR3T01	H1540PR3T01
VALVE CLEARANCE - INTAKE	MM	0.20 - 0.24	0.21 - 0.25	0.24 - 0.28	0.18 - 0.22	0.13 - 0.17
VALVE CLEARANCE - EXHAUST	MM	0.28 - 0.32	0.28 - 0.32	0.28 - 0.32	0.26 - 0.30	0.21 - 0.22
FUEL FILTER (low pressure)	PART NUMBER	16911-ZY3-003	16911-ZY3-003	16900-SR3-004	16900-SA5-004	16900-SA5-004
FUEL FILTER (high pressure)	PART NUMBER	16711-ZY3-000	16911-ZY3-000	16010 -ST5-933	N/A	N/A
CARBURETOR - FLOAT LEVEL	MM	N/A	N/A	N/A	11.5	14
- PILOT ADJUSTMENT	TURNS	N/A	N/A	N/A	1 7/8 - 2 1/4	2 1/8
- IDLE RPM	RPM	600-700	700 - 800	700 - 800	900 - 1000	900 - 1000
IGNITION - SPARK PLUG	NGK	IZF6F-11	IZFR6K11	ZFR7F	DR-7EA	DR-7EA
	ND	VKJ20RZ-M11	SKJ20DR11	N/A	X22ESR-U	X22ESR-U
SPARK PLUG GAP	MM	1.0 - 1.1	1.0 - 1.1	0.7 - 0.8	0.6 - 0.7	0.6 -0.7
AIR GAP	MM	N/A	N/A	N/A	0.7 - 0.8	N/A
IGNITION TIMING	˚BTDC	10o @ 650 RPM	0 +/- 2 @ 750 RPM	N/A	5° - 29^{o}	5^{o} - 32^{o}
PULSE GENERATOR RESISTANCE	Ω	N/A	N/A	950 - 1170	168 - 252	288 - 352
EXCITER COIL RESISTANCE	Ω	N/A	N/A	N/A	N/A	168 - 227
CHARGING COIL RESISTANCE	Ω	N/A	N/A	N/A	0.46 - 0.69	0.20 - 0.26
REG/REC REGULATED VOLTAGE	V	12	12	12	12	12
CHARGE COIL / ALTERNATOR	AMPS	60	40	45	16	10
IGNITION COIL RESISTANCE - PRIMARY	Ω	N/A	N/A	0.60 - 0.72	0.35 - 0.43	0.19 - 0.23
SECONDARY WITH PLUG CAP	KΩ	N/A	N/A	25 - 38	23.1 - 34.7	2.8 - 3.4
GEAR CASE OIL CAPACITY	LITRE	1.17	0.98	0.95	0.95	0.52
COMPRESSION	PSI	198-277	222-250	199 - 228	199 - 226	199 -226

SPECIFICATION ITEM	MODEL UNIT	BF 25-30 D4	BF 25 - 30 A	BF15-20 A4	BF9.9 - 15	BF 8 - 10D
BORE AND STROKE	MM	61x63	58 x 63	59 x 64	58 x 53	58 x 42
CAPACITY	CC	552	499	350	280	222
ENGINE OIL CAPACITY -AT DRAINING	LITRE	1.6	1.6	1.0	1.1	1
AT OIL FILTER CHANGE	LITRE	1.9	1.9	1.3	N/A	1.3
OIL FILTER PART NUMBER	PART NUMBER	15400PFB004	15400PFB004	15400PFB004	N/A	15400-PFB-004
VALVE CLEARANCE - INTAKE	MM	0.10- 0.14	0.10 - 0.14	0.15 - 019	0.10 - 0.14	0.15 - 0.19
VALVE CLEARANCE - EXHAUST	MM	0.18 - 0.22	0.18 - 0.22	0.21 - 0.25	0.18 - 0.22	0.21 - 0.25
FUEL FILTER (low pressure)	PART NUMBER	16910-ZV4-015	16910-ZV4-015	16910-ZV4-015	16910-ZV4-015	16910-ZV4-015
FUEL FILTER (high pressure)	PART NUMBER	N/A	N/A	N/A	N/A	N/A
CARBURETOR - FLOAT LEVEL	MM	14	14	13.7	13.0 - 15.0	13.5
- PILOT ADJUSTMENT	TURNS	2 1/4	2	2 1/4	2 3/4	2 3/4
- IDLE RPM	RPM	900-1000	850 - 950	850 - 950	1050 - 1150	850 - 950
IGNITION - SPARK PLUG	NGK	DR-7EA	DR-7EA	CR5EH-9	DR6HS	CR5EH-9
	ND	X22ESR-U	X22ESR-U	U16FER9	X20FSR-U	U16FER9
SPARK PLUG GAP	MM	0.6 - 0.7	0.6 - 0.7	0.8 - 0.9	0.6 - 0.7	6.8 - 0.9
AIR GAP	MM	N/A	N/A	N/A	N/A	N/A
IGNITION TIMING	˚BTDC	5^0 - +/- 2	5^0 - 26^o	0 +/- 2	5˚ - 35˚	0˚
PULSE GENERATOR RESISTANCE	Ω	617 - 758	290 - 355	351 - 429	351 - 429	351 - 429
EXCITER COIL RESISTANCE	Ω	6.12 - 7.48	270 - 368	6.1 - 7.5	207 - 253	6.1 - 7.5
CHARGING COIL RESISTANCE	Ω	0.27 - 0.33	0.27 - 0.33	0.2 - 0.3	0.33 - 0.41	0.23 - 0.43
REG/REC REGULATED VOLTAGE	V	12	12	12	12	12
CHARGE COIL / ALTERNATOR	AMPS	4M - 10E	6 -10	6 - 12	6 - 10	6 - 12
IGNITION COIL RESISTANCE - PRIMARY	Ω	0.19 - 0.23	0.19 - 0.23	0.8 - 1.0	0.35 -0.43	0.35 - 0.43
SECONDARY WITH PLUG CAP	KΩ	28.0 - 34.0	10.3 - 15.9	23.0 - 34.8	8.01 - 9.79	23.0 - 34.8
GEAR CASE OIL CAPACITY	LITRE	0.27	0.29	0.28	0.24	0.26
COMPRESSION	PSI	128M - 213E	178 - 206	185 - 213	151	151

SPECIFICATION ITEM	MODEL UNIT	BF 8	BF 7.5 - 10	BF 5	BF 2D	BF 2
BORE AND STROKE	MM	56 x 38	56 x 40	60 x 45	45.0 x 36.0	46 x 46
CAPACITY	CC	197	197	127	57	76
ENGINE OIL CAPACITY -AT DRAINING	LITRE	0.8	0.8	0.55	0.25	0.4
AT OIL FILTER CHANGE	LITRE	N/A	N/A	N/A	N/A	N/A
OIL FILTER PART NUMBER	PART NUMBER	N/A	N/A	N/A	N/A	N/A
VALVE CLEARANCE - INTAKE	MM	0.06 - 0.1	0.06 - 0.1	0.06 - 0.14	0.06 - 0.10	0.08 - 0.16
VALVE CLEARANCE - EXHAUST	MM	0.06 - 0.1	0.06 - 0.1	0.11 - 0.19	0.09 - 0.13	0.08 - 0.16
FUEL FILTER (low pressure)	PART NUMBER	16910-ZV4-015	16910-GB2-005	16910-GB2-005	16952-ZE6-000	16952-ZE6-000
FUEL FILTER (high pressure)	PART NUMBER	N/A	N/A	N/A	N/A	N/A
CARBURETOR - FLOAT LEVEL	MM	9.8 - 10.5	9.8 - 10.5	9.0 - 11.0	12	10.5 - 13.5
- PILOT ADJUSTMENT	TURNS	Highest idle speed	Highest idle speed	2.375	2.5	2.125
- IDLE RPM	RPM	1100 - 1300	1100 - 1300	1200 - 1400	1900 - 2100	1300 - 1500
IGNITION - SPARK PLUG	NGK	DR-5HS	DR - 5HS	BPR5ES	CR5HSB	BMR-4A
	ND	N/A	N/A	W16EPR-U	U16FSR-UB	N/A
SPARK PLUG GAP	MM	0.6 - 0.7	0.6 - 0.7	0.7 - 0.8	0.6 - 0.7	0.6 - 0.7
AIR GAP	MM	N/A	N/A	0.2 - 0.6	0.3 - 0.5	0.2 - 0.6
IGNITION TIMING	˚BTDC	15˚ - 35˚	15˚ - 35˚	25˚	27˚	20˚
PULSE GENERATOR RESISTANCE	Ω	108 - 132	108 - 132	N/A	N/A	N/A
EXCITER COIL RESISTANCE	Ω	297 - 363	297 - 363	N/A	N/A	N/A
CHARGING COIL RESISTANCE	Ω	0.13 +/- 10%	0.13 +/- 10%	0.2 - 0.4	N/A	N/A
REG/REC REGULATED VOLTAGE	V	12	12	12	N/A	N/A
CHARGE COIL / ALTERNATOR	AMPS	5	5	3	N/A	N/A
IGNITION COIL RESISTANCE - PRIMARY	Ω	0.56 +/- 10%	0.56 +/- 10%	0.8 - 1.0	0.98 - 1.2	0.7 - 0.9
SECONDARY WITH PLUG CAP	KΩ	0.8 +/- 10%	0.8 +/-10%	5.9 - 7.1	11 - 12	6.3 - 7.7
GEAR CASE OIL CAPACITY	LITRE	0.23	0.23	0.1	0.41	0.05
COMPRESSION	PSI	151	151	50 - 78	128	92.4